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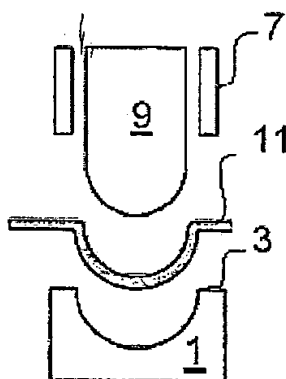
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(54) Title: **PROCESS FOR MANUFACTURING A PROSTHETIC JOINT**



(57) Abstract: The application relates to a process for manufacturing a prosthetic joint with at least one loaded surface which consists at least partially of polyethylene, comprising compressing one or more layers of a woven fabric of drawn gel-spun polyethylene fibres into the desired shape in a hollow mould part using a plug at a pressure of at least 0.05 MPa and at a temperature of between 120 and 165°C and below the crystalline melting point of the polyethylene at the prevailing temperature and pressure, without a matrix material being present, and at least the woven fabric in a layer situated on a loaded surface comprising at least 90wt % of fibres with a titre of at most 1000 denier, and to a prosthetic joint with a crease-free surface.

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